

FIG. 1: SYSTEM ARCHITECTURE

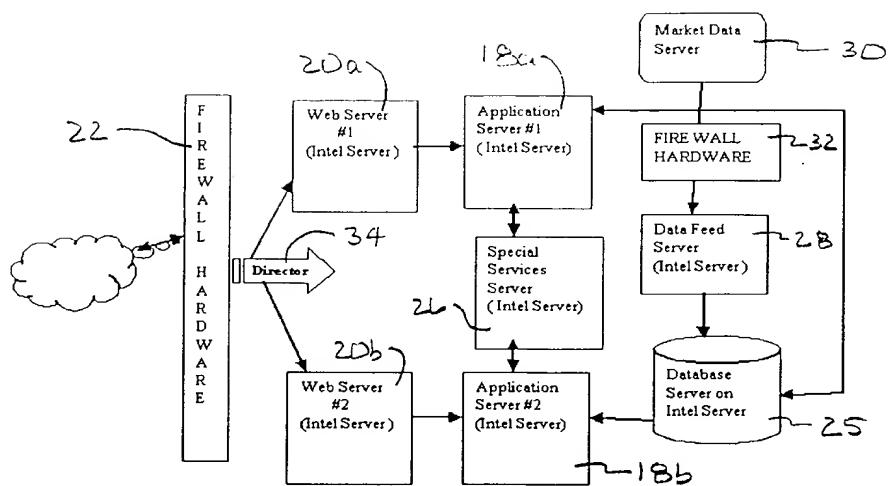


Fig. 2: Physical Deployment of System - Web Farm

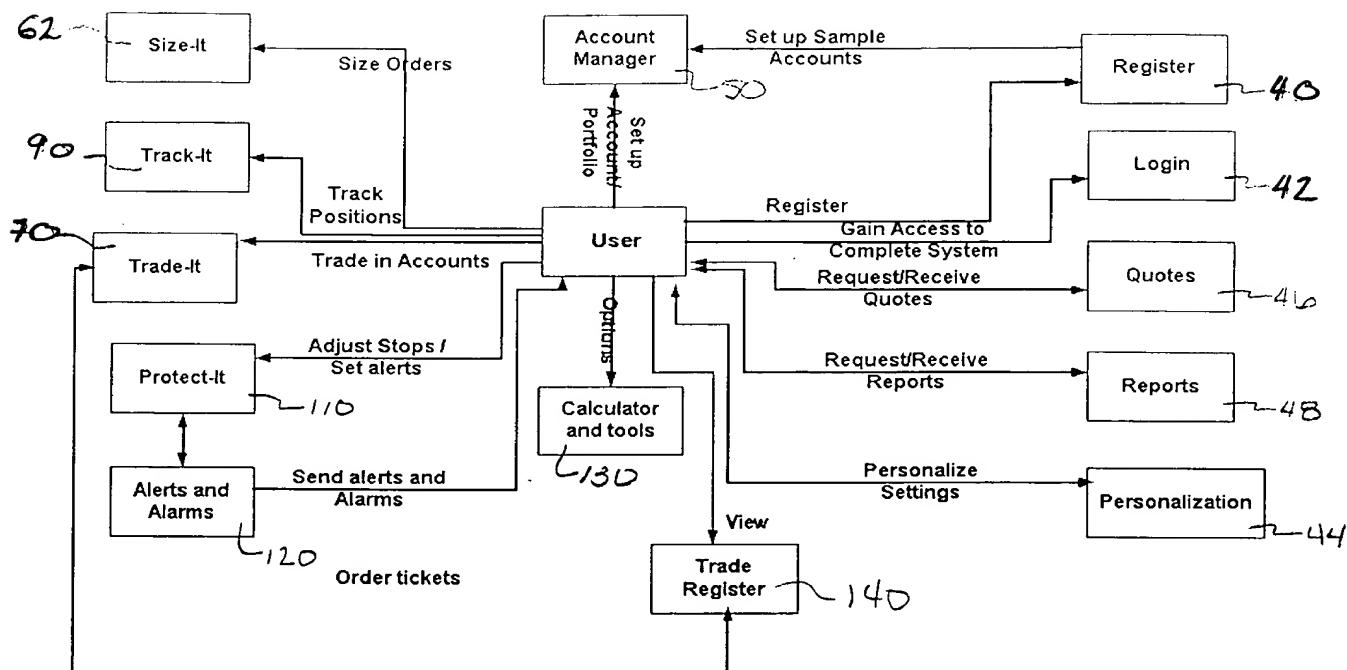


Fig. 3: System Packages

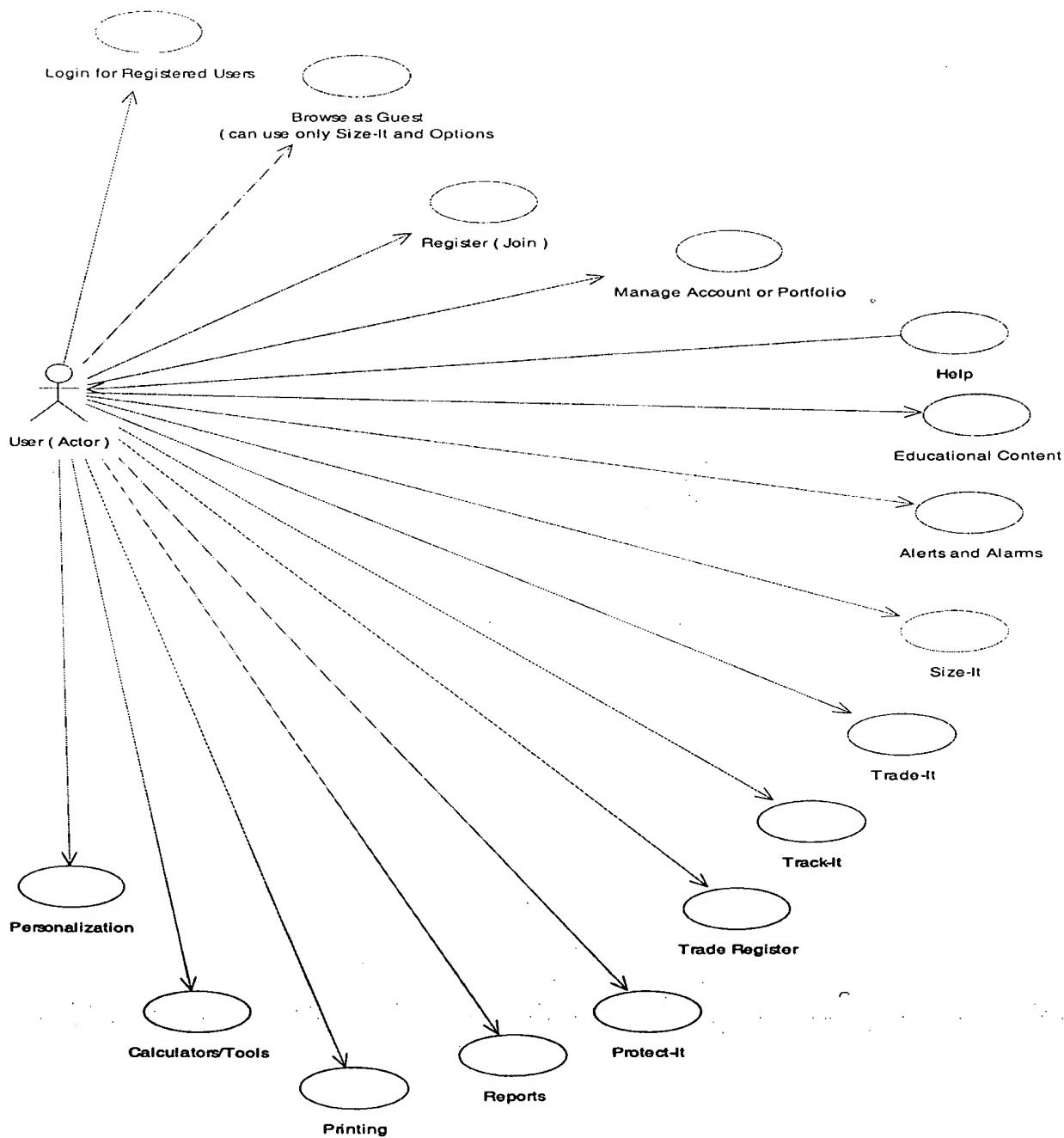


Fig. 4 : Services for the user level

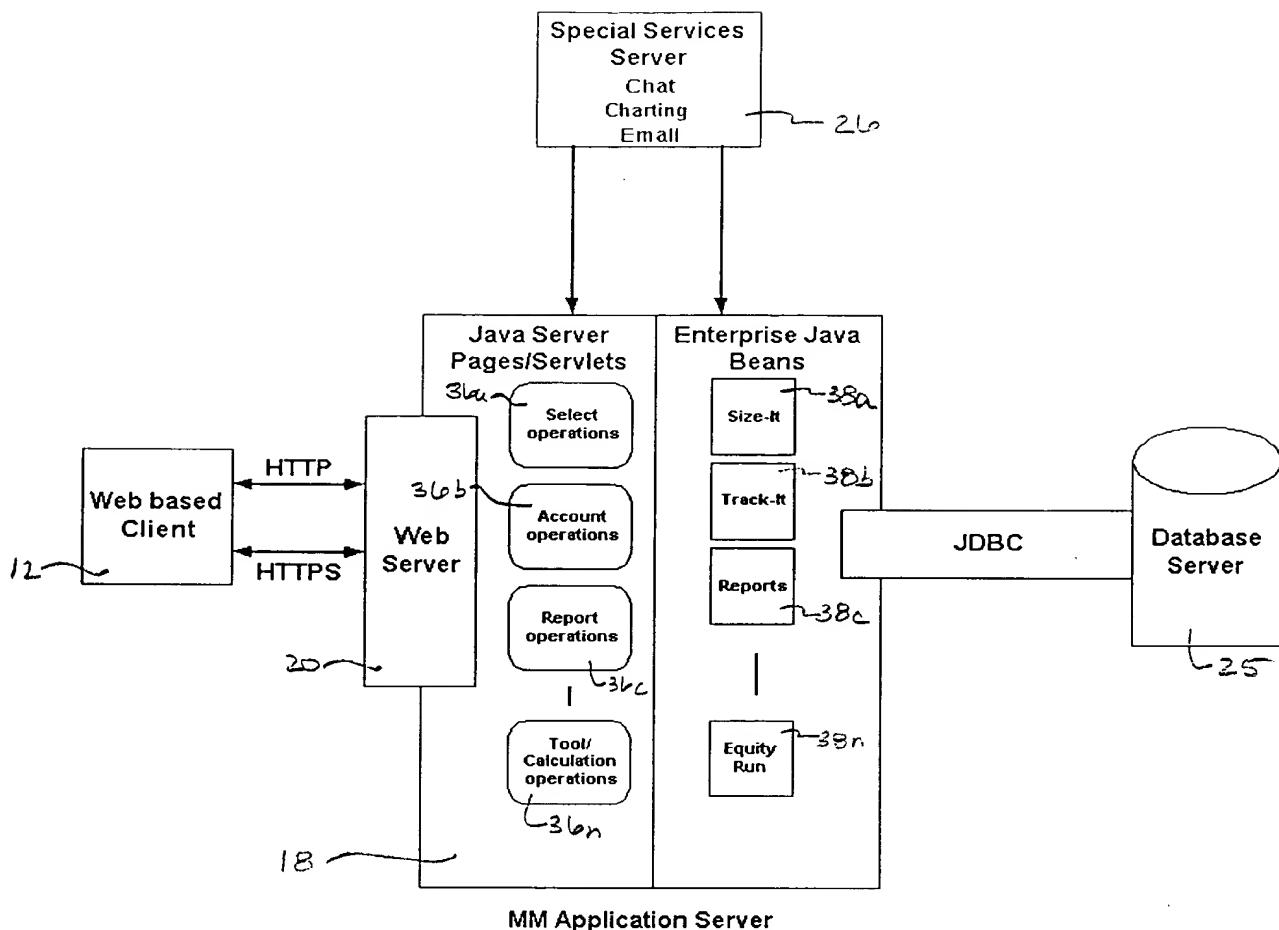
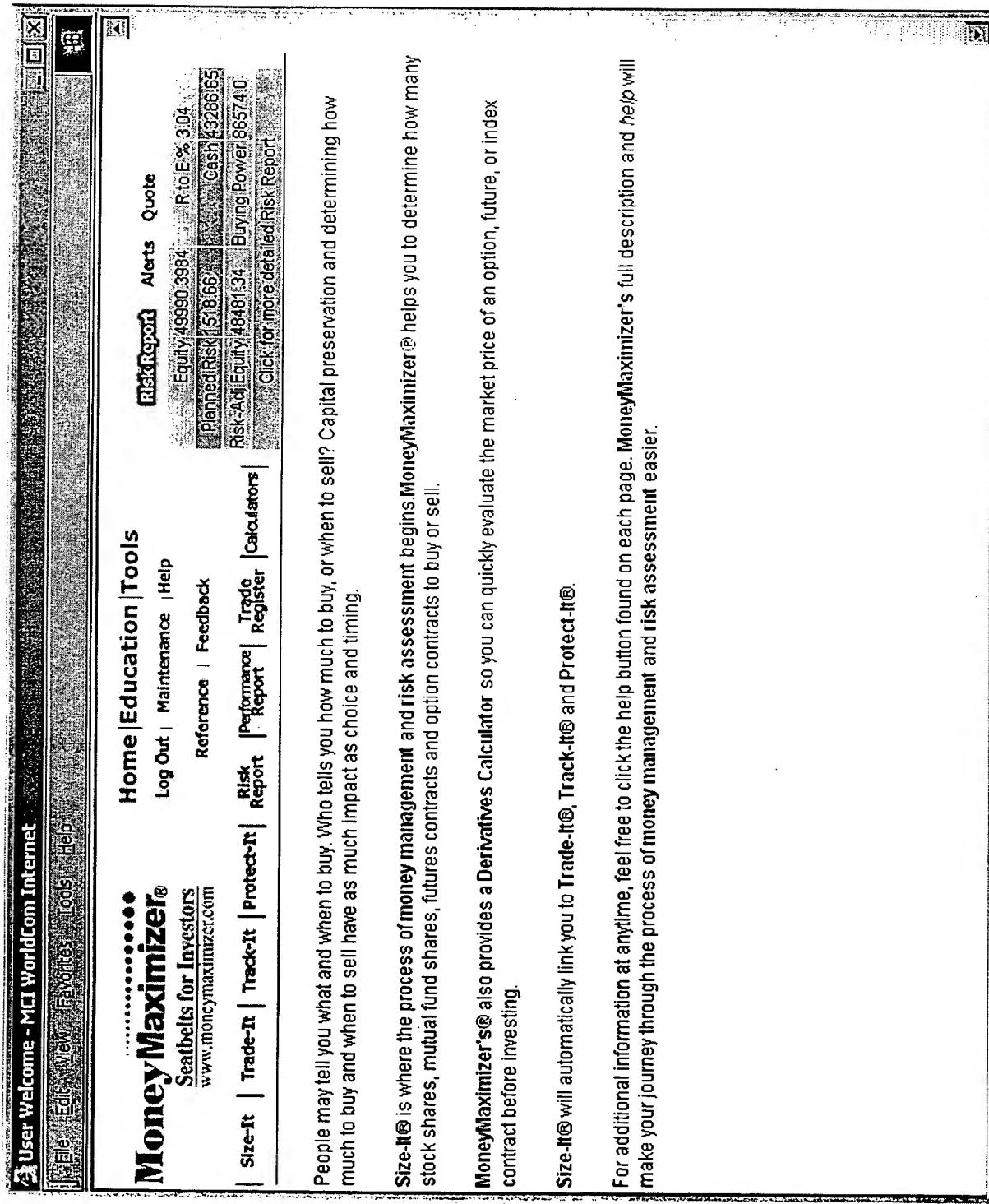


Fig. 5: Logical Deployment of System

Figure 6



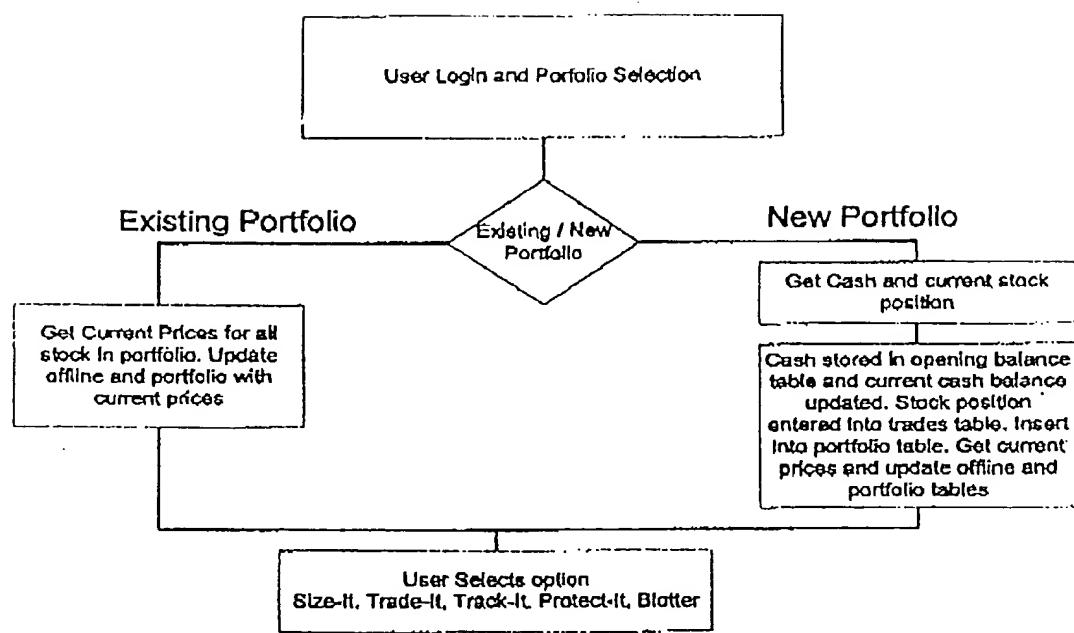


FIG 7

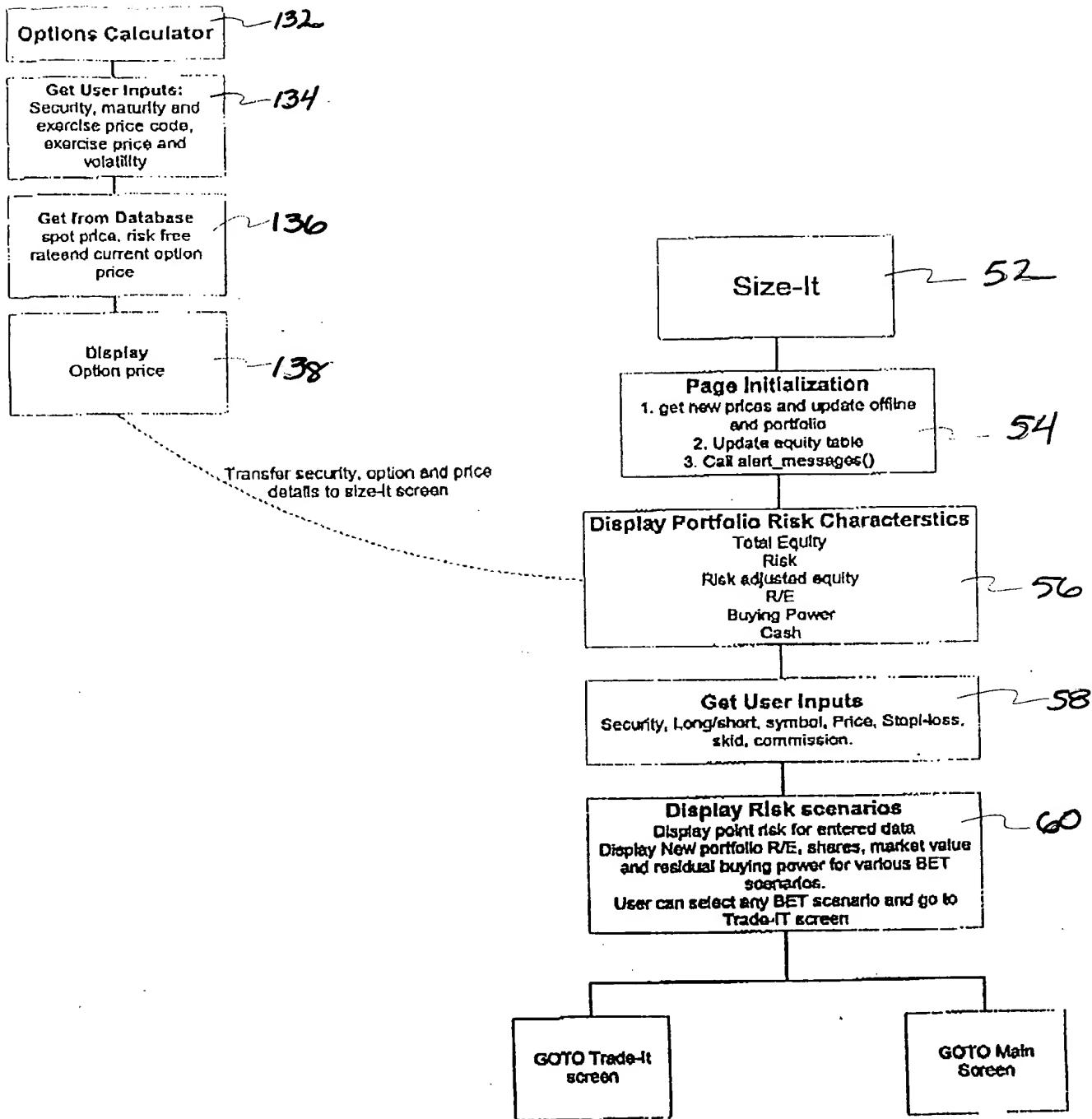
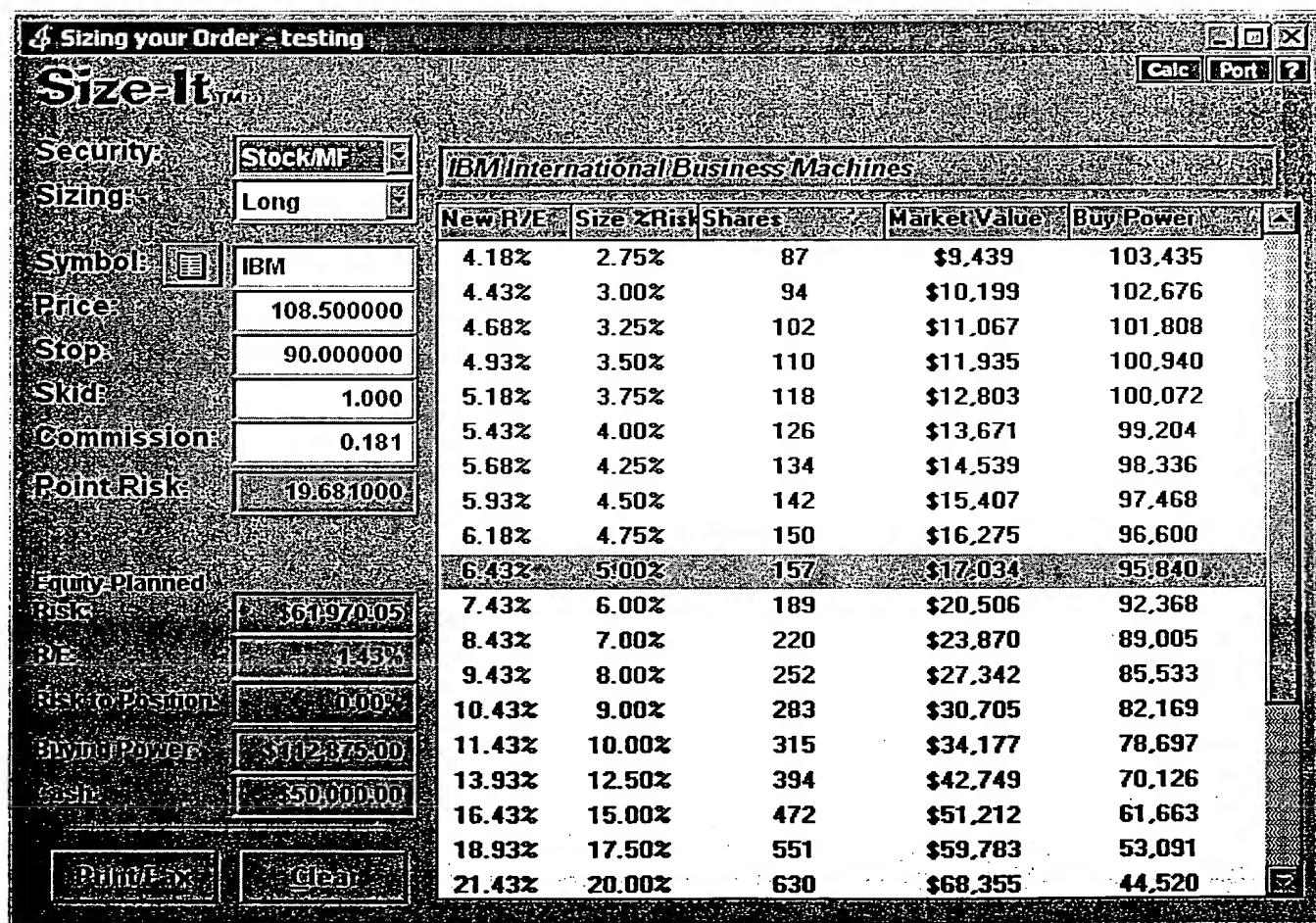


FIG. 8

Figure 9



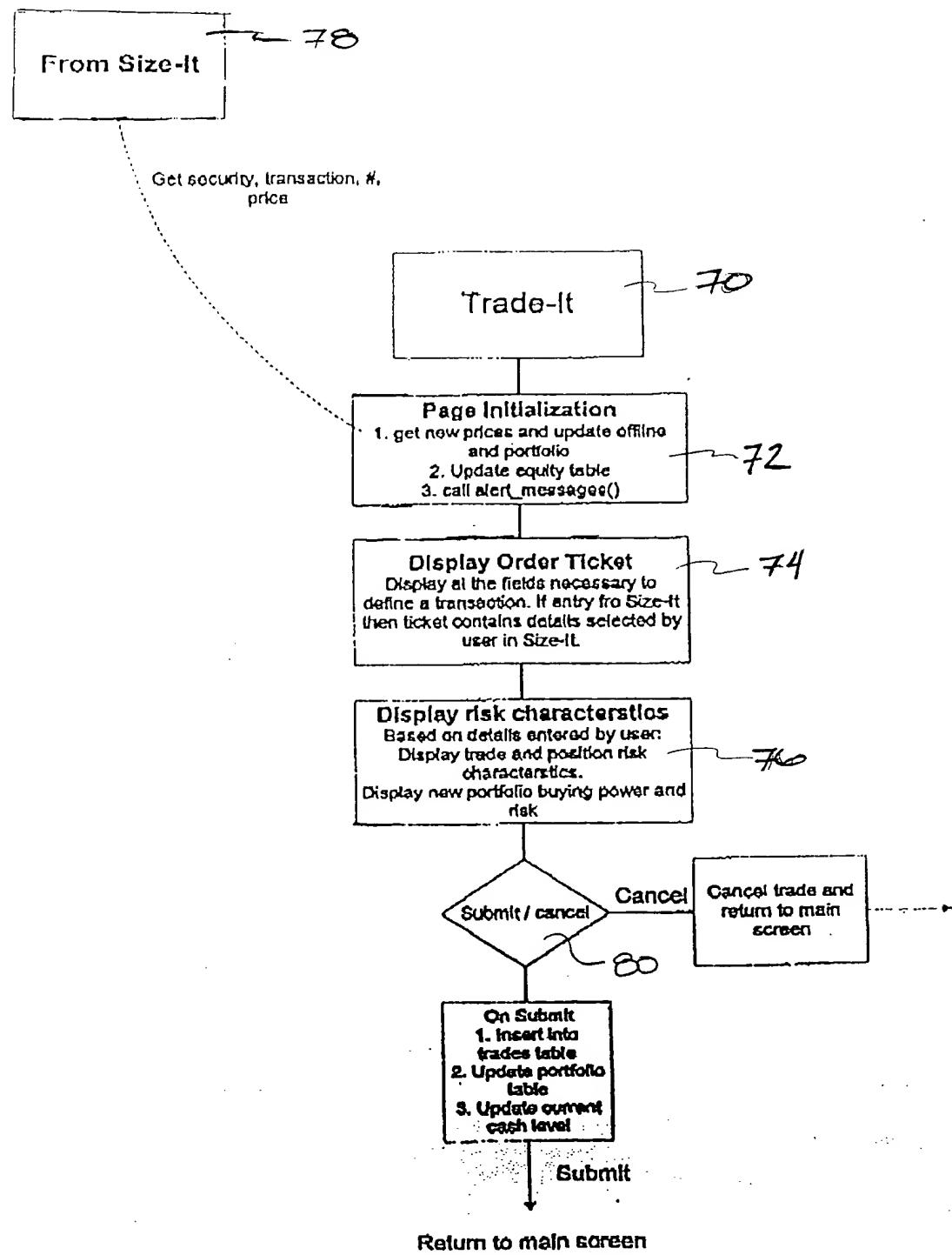


FIG. 10

Figure 11

**Order Ticket - testing**

**Trade-It™ Order Ticket**

**Trade Date:** 06/04/2000 **Time:** 22:58  
**Settle Date:** 06/07/2000

**S/I/O:** Stock/MF **Transaction:** Buy

**Symbol:** IBM **Shares:** 102 **Price:** 106.50000  
*IBM International Business Machines* **Cost:** \$10,881.46

**Stop:** 90.00000 **Alert:** 95.00000  **Stop Expires On:** 07/04/2000

**Broker:** JC3 **Commission - per Shr:** 0.18098 **Lump Sum:** 18.46

**Limit Alarm: Lower:** 92.00000 **Upper:** 115.00000  **Agy Cr:**

**Portfolio:** NO POSITIONS FOUND

**Positions/Stops:**

Pos #	Trade	Position
Equity	2715	\$1,705
	2712	\$1,705

Your Current Buying Power Is: \$12,373.00  
 Your New Buying Power Will Be: \$10,955.08  
 Your Current Portfolio Risks: 1.4%

**Print** **Submit** **Cancel**

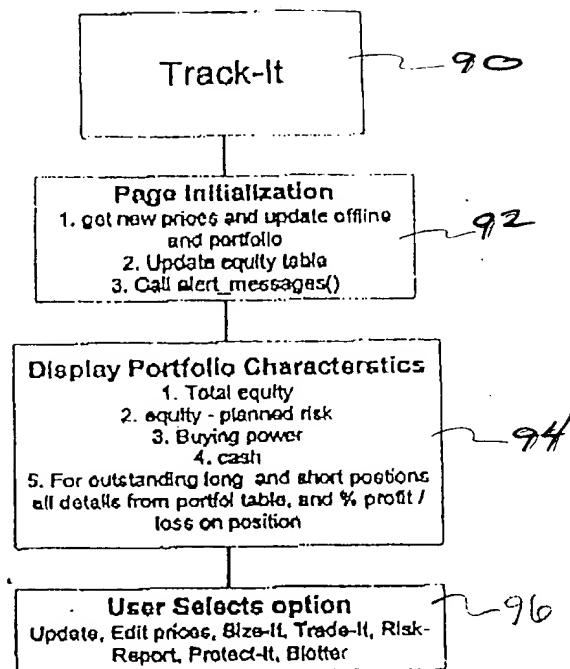


FIG. 12

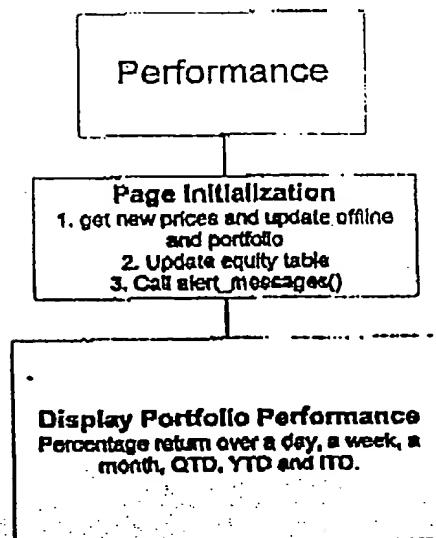
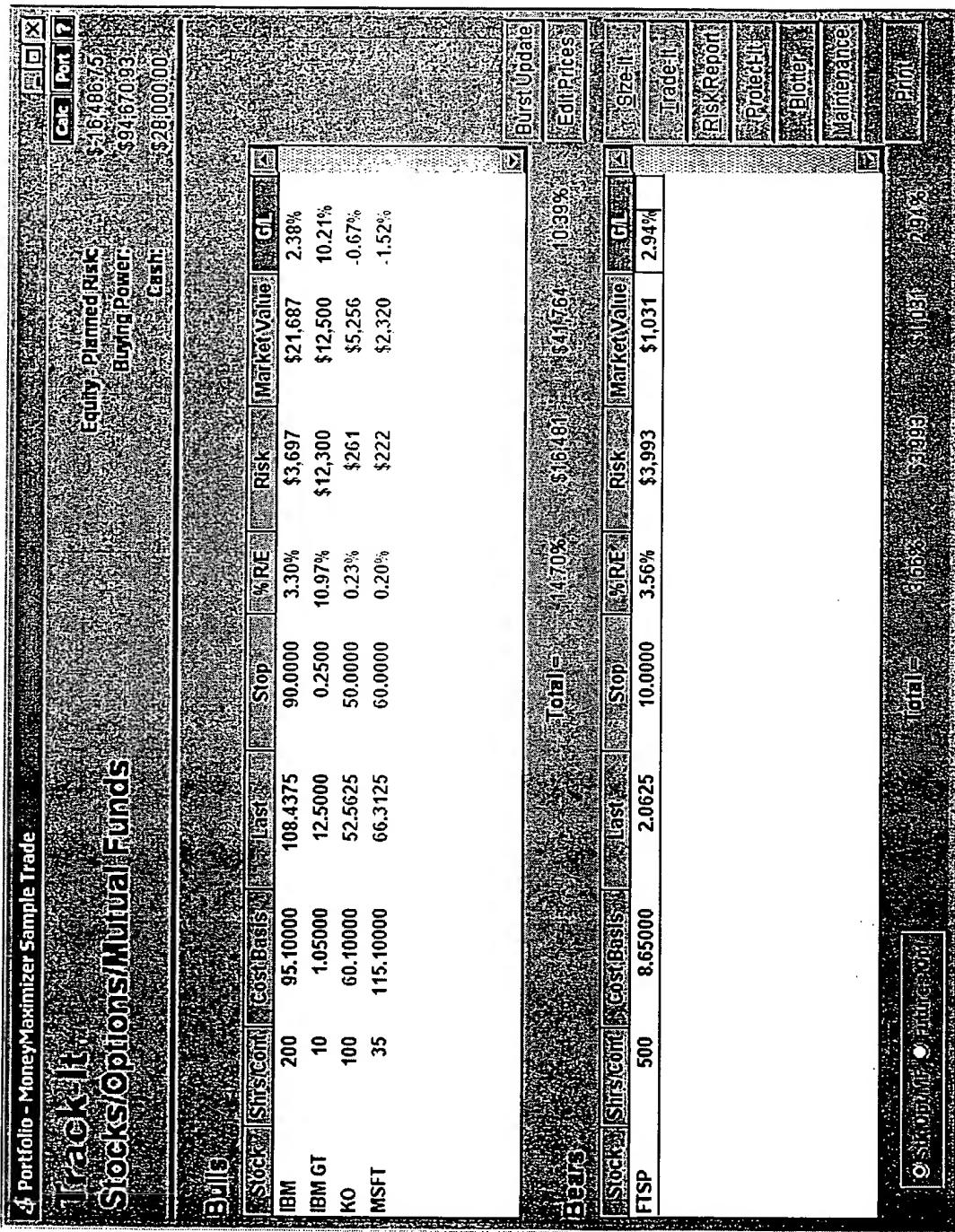


FIG. 1A

Figure 13



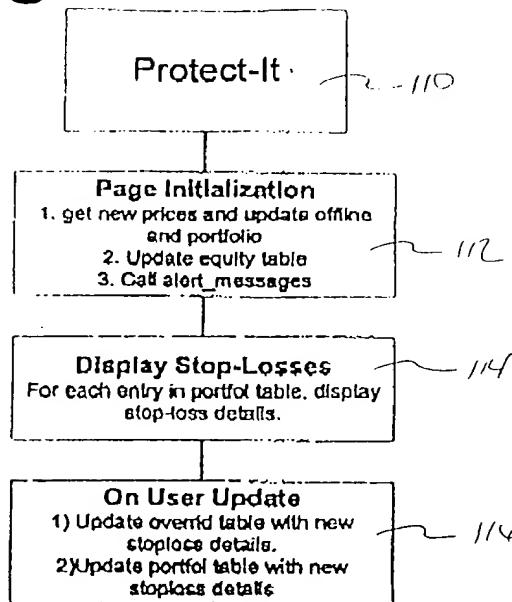


FIG. 14

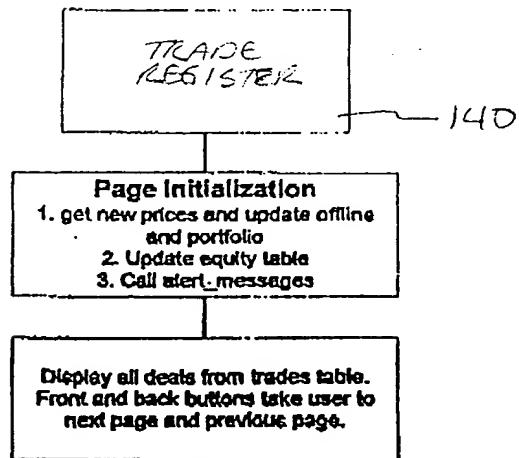


FIG. 19

Figure 15

Stop Reporting - MoneyMaximizer Sample Trade						
P 0 Y E G I		To Add/Stop Broker or Session on portfolio position, double click on the stop. Return to your portfolio screen to split a lot. Items in red have expired stops.				
Order	Name	Symbol	Shares	Sell Stop	Buy Stop	Broker
CYS STOP	First Team Sports Inc	FTSP	500			
SEL STOP	IBM International Business M/IBM		200	90 000000		MENT
SEL STOP	G.Jul -IBM International Busin IBM GT		10	10250000		MENT
SEL STOP	Coca Cola Co	KO	100	50 000000		MENT
SEL STOP	Microsoft Corp	MSFT	35	60 000000		JC3

Add/Contingent Order						
Delete/Contingent						
Order	Name	Symbol	Contracts	Sell Stop	Buy Stop	Broker
SEL STOP	Crude Oil Light Sweet	@CCL.U	1	148 000000		MENT
SEL STOP	Cotton No. 2	@CT.V	5	72850000		MENT
SEL STOP	U.S. Dollar Index (FINEX)	@DX.U	2	92500000		MENT
BUY STOP	U.S. Treasury Bond 30 Yr. (@US.U		2		1500000000	REG

Double Click on stop to change

Add/Contingent Order						
Delete/Contingent						
Order	Name	Symbol	Contracts	Sell Stop	Buy Stop	Broker
SEL STOP	Crude Oil Light Sweet	@CCL.U	1	148 000000		MENT
SEL STOP	Cotton No. 2	@CT.V	5	72850000		MENT
SEL STOP	U.S. Dollar Index (FINEX)	@DX.U	2	92500000		MENT
BUY STOP	U.S. Treasury Bond 30 Yr. (@US.U		2		1500000000	REG

Double Click on stop to change

Print Report						
<input type="button" value="Add/Contingent Order"/> <input type="button" value="Delete/Contingent"/> <input type="button" value="Print Report"/>						

Figure 16

Risk Report - MoneyMaximizer Sample Trade					
		TOTAL	STOCKS/MF	FUTURES	OPTIONS
Equity-Risk	\$46,233.25				
Planned Risk:	\$8,726.75		\$4,996.75	\$3,730.00	\$0.00
R/E %:	15.88%		9.09%	6.79%	0.00%
Equity:	\$54,960.00		\$54,725.00	\$235.00	
Est. Buying Power:	\$75,775.00				
TRADE DATE BALANCE:		\$28,050.00			
WITHDRAWABLE FUNDS:			\$1,000.00		
ENDING BALANCE:			\$1,000.00		
<< Off Line >>			Print		

Figure 17

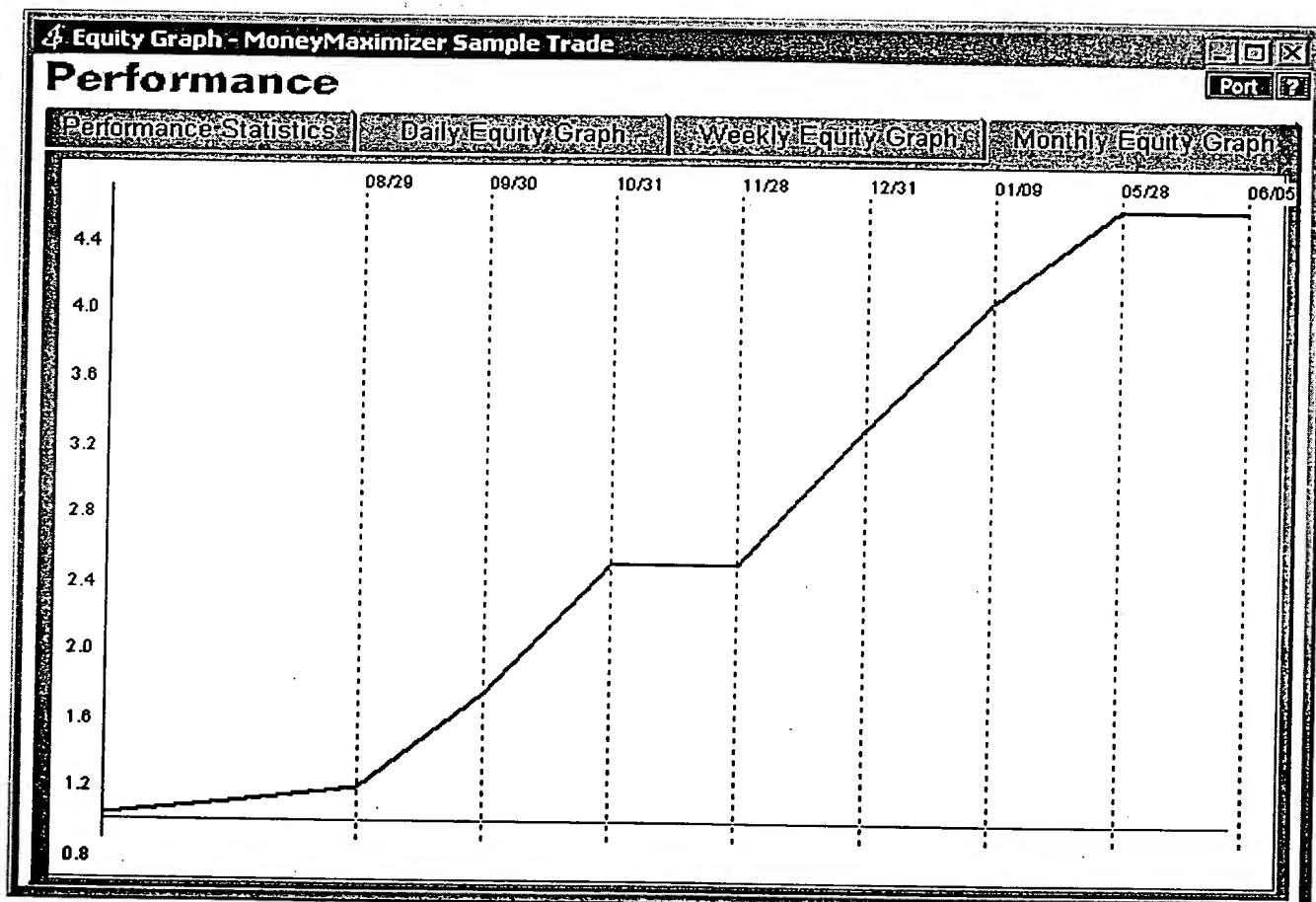


Figure 18

Theoretical Option Price Calculator

Option Type  Stock  Future  Currency  Index

Spot Price  Exercise price

Maturity - Month  Year   Days

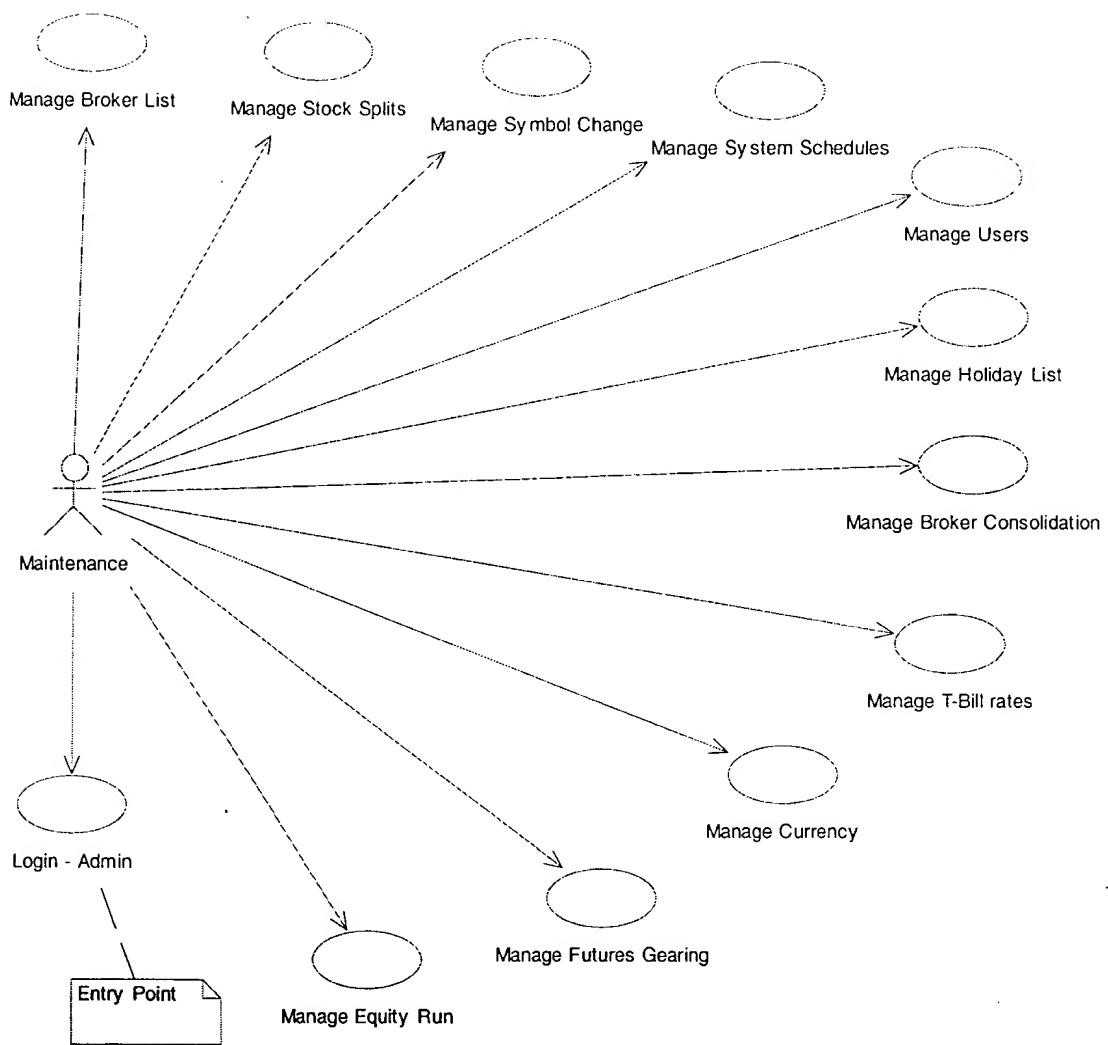
Rate  Volatility

Index: Name   Divisor

To Calculate Implied Volatility, Enter Market Price

Enter Dividends	Call Results	Put Results
	Date	Amount
Enter up to 5 dividends to be paid between now and the maturity date.	1 / /	0.0000
	2 / /	0.0000
	3 / /	0.0000
	4 / /	0.0000
	5 / /	0.0000

Figure 20



**Fig. 21: Administration and Maintenance Services**

```
* corecalc.prg
* Procedure to perform core calculations as needed
* when called, main proc will provide "receptacle" params to be passed back

PARAMETERS mport,m_mkt,m_risk,mpwr,missue
* mport = Stock, Future, Option, All, Position
* m_mkt,m_risk = passback for mktval, risk, power
* missue = specific position to check (eg: IBM)

IF mport = "P"      && checking position
    missue = LEFT(missue+SPACE(10),10)
ELSE
    missue = SPACE(10)
ENDIF

mselect = SELECT()
SELECT portfol
if eof()
    mProwHold = 0
else
    mProwHold = recno()
endif
m_smkt = 0
m_srisk = 0
m_fmkt = 0
m_frisk = 0
m_omkt = 0
m_orisk = 0
m_imkt = 0
m_irisk = 0
m_longs = 0
m_shorts = 0
GO TOP
```

Fig. 22

```

DO WHILE .NOT. EOF()
  m_imatch = ( stock = missue )  && .t. or .f. result
  *** These two vars are for individual issue values, rest are sums
  mIsVal = 0
  mIsDolrisk = 0

  DO CASE
  CASE sfo = "S"      JUST STOCKS
    mIsVal = FxConv(shares*last_sale,stock)
    IF portfol->short
      m_smkt = m_smkt - mIsVal
      mIsDolrisk = FxConv(shares*ABS(stop-last_sale) + comm_in*shares,stock)
      m_shorts = m_shorts + mIsVal
    ELSE
      m_smkt = m_smkt + mIsVal
      mIsDolrisk = FxConv(shares*ABS(last_sale-stop) + comm_in*shares,stock)
      m_longs = m_longs + mIsVal
    ENDIF

    m_srisk = m_srisk + mIsDolRisk
    IF m_imatch
      m_imkt = m_imkt + mIsVal
      m_irisk = m_irisk + mIsDolrisk
    ENDIF
  CASE sfo = "F"      JUST FUTURES
    IF portfol->short
      mIsVal = FxConv((buy_price-last_sale)*shares*gear,stock)
    ELSE
      mIsVal = FxConv((last_sale-buy_price)*shares*gear,stock)
    ENDIF
    m_fmkt = m_fmkt + mIsVal
    IF portfol->short
      mIsDolrisk = FxConv(shares*ABS(stop-last_sale)*gear +
      (comm_in*shares),stock)
      m_frisk = m_frisk + mIsDolrisk
    ELSE
      mIsDolrisk = FxConv(shares*ABS(last_sale-stop)*gear +
      (comm_in*shares),stock)
      m_frisk = m_frisk + mIsDolRisk
    ENDIF
    IF m_imatch
      m_imkt = m_imkt + mIsVal
      m_irisk = m_irisk + mIsDolrisk
    ENDIF
  CASE sfo = "O"      JUST OPTIONS
    mIsVal = FxConv(shares*last_sale*100,stock)
    IF portfol->short
      m_omkt = m_omkt - mIsVal
      mIsDolrisk = FxConv(100*shares*ABS(stop-last_sale) + (comm_in*shares),stock)
      m_orisk = m_orisk + mIsDolrisk
      m_shorts = m_shorts + mIsVal
    ELSE
      m_omkt = m_omkt + mIsVal
      mIsDolrisk = FxConv(100*shares*ABS(last_sale-stop) + (comm_in*shares),stock)
      m_orisk = m_orisk + mIsDolrisk
      m_longs = m_longs + mIsVal
    ENDIF
    IF m_imatch
      m_imkt = m_imkt + mIsVal
      m_irisk = m_irisk + mIsDolrisk
    ENDIF
  ENDCASE
  SKIP
ENDDO

```

```

DO CASE
CASE mport = "A"      ALL/TOTAL EVERYTHING
  m_mkt = m_smkt + m_fmk + m_omkt
  m_risk = m_srisk + m_frisk + m_orisk
CASE mport = "S"      JUST STOCKS
  m_mkt = m_smkt
  m_risk = m_srisk
CASE mport = "F"      JUST FUTURES
  m_mkt = m_fmk
  m_risk = m_frisk
CASE mport = "O"      JUST OPTIONS
  m_mkt = m_omkt
  m_risk = m_orisk
CASE mport = "P"      JUST INDIVIDUAL POSITIONS
  m_mkt = m_imkt
  m_risk = m_irisk
ENDCASE

mpwr = (2*(mtdbalance+mwdbalance+m_long+m_short)) - m_long - m_short

sele portfol
if mProwHold > 0
  goto (mProwHold)
endif
SELECT (mselect)

RETURN

```

Fig. 24

Figure 25

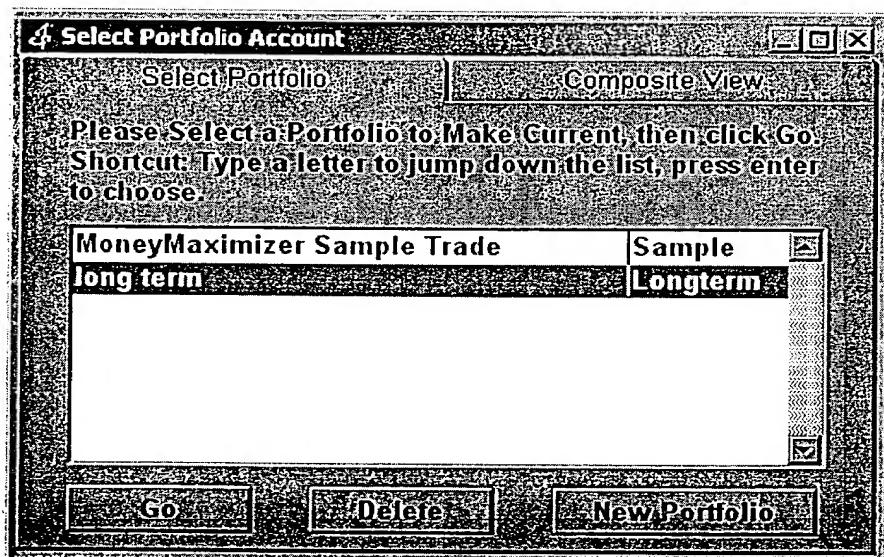


Figure 26

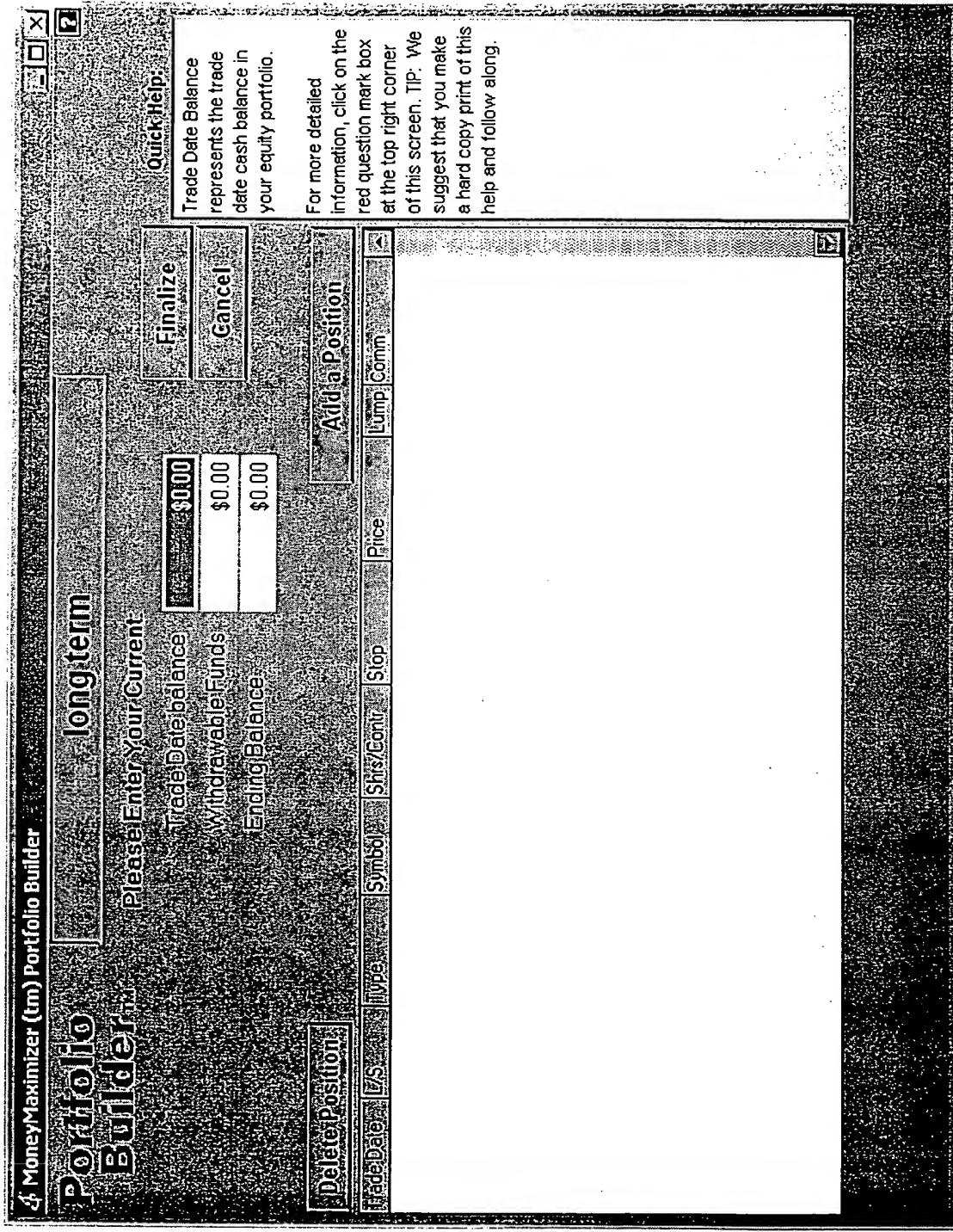


Figure 27

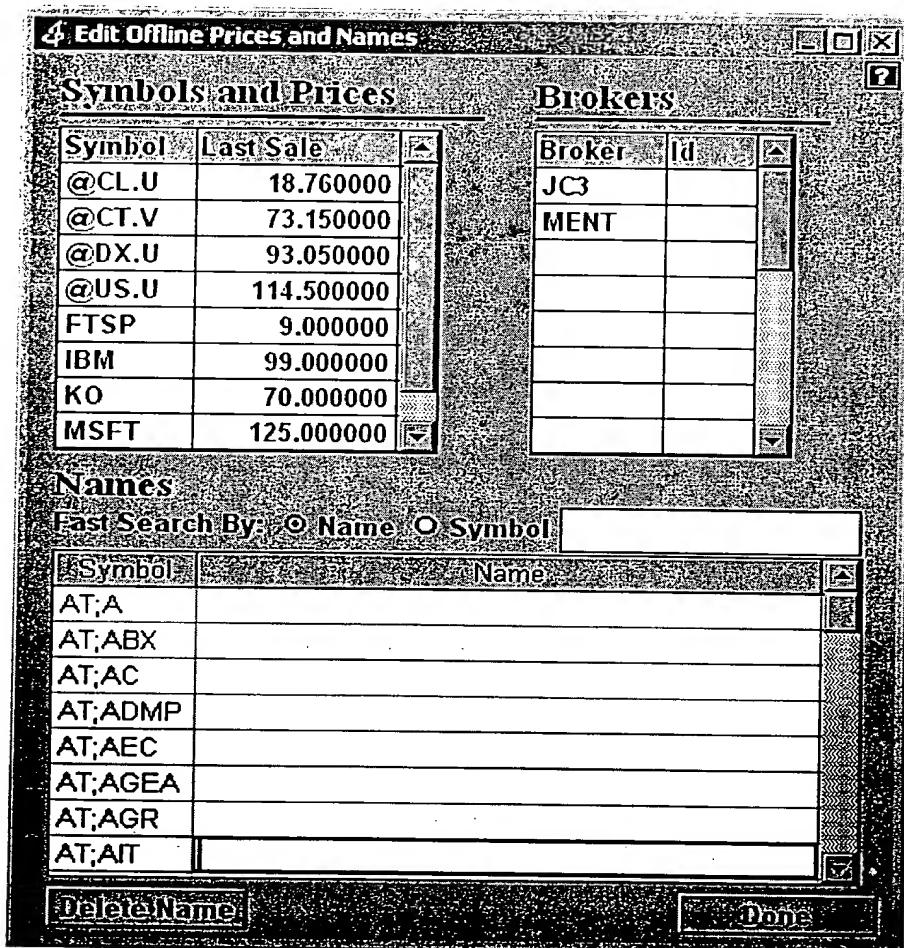


Figure 28

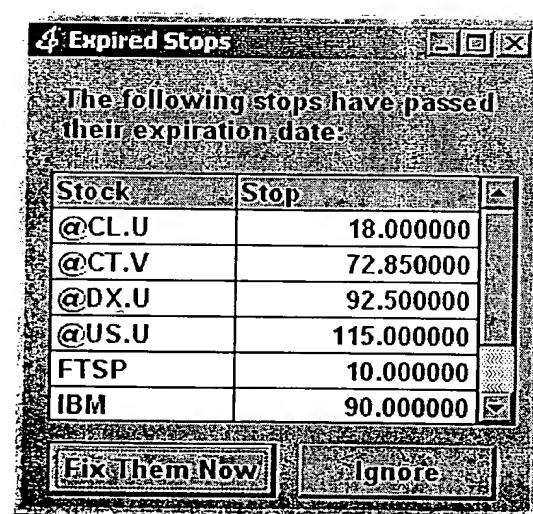


Figure 29

